

Title (en)

MULTI-COMPRESSOR ONE-PASS SEGMENTED COMPRESSION TYPE WATER CHILLER

Title (de)

MEHRVERDICHTERWASSERKÜHLER MIT SEGMENTIERTER EINZELDURCHGANGSKOMPRESSION

Title (fr)

REFROIDISSEUR D'EAU À COMPRESSION SEGMENTÉ, À PASSAGE UNIQUE ET À COMPRESSEURS MULTIPLES

Publication

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Application

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Abstract (en)

The present invention discloses a multi-head single-pass sectional compression water chilling unit comprising a combined condenser and a combined evaporator, wherein the combined condenser is formed by sequentially connecting and combining a plurality of sectional condensers, the combined condenser is internally provided with a condenser tube bundle for use by all the sectional condensers, the combined evaporator is formed by sequentially connecting and combining a plurality of sectional evaporators, the combined evaporator is internally provided with an evaporator tube bundle for use by all the sectional evaporators, the sectional condensers and the sectional evaporators are in one-to-one correspondence, a compressor is connected between the sectional condenser and the sectional evaporator corresponding to each other, and the compressor, the sectional condenser and the sectional evaporator form a refrigeration function section. According to the present invention, both refrigerating capacity and chilled water flow can be independently controlled according to actual demands, which solves the problem that the refrigerating capacity and the chilled water flow of the existing water chilling unit are difficult to match, so that the good use effect of the water chilling unit is ensured.

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